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ABSTRACT

This publication is one of a six-part inventory of energy education materials. Included in this part is a listing of kits, games, and miscellaneous curricula. For each of the materials listed the following items are included when available: (1) Title; (2) Author; (3) Availability; (4) Cost; (5) Grade Level; (6) Related Materials; and (7) Evaluation of the material. Materials listed in this reference include both print and non-print items for teachers and students. (RH)

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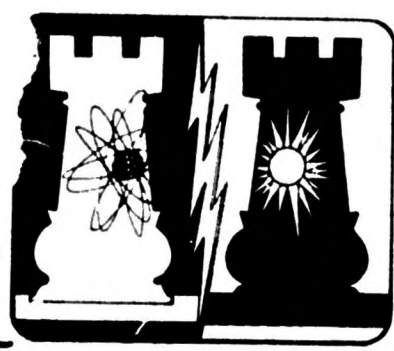
ED 133 195

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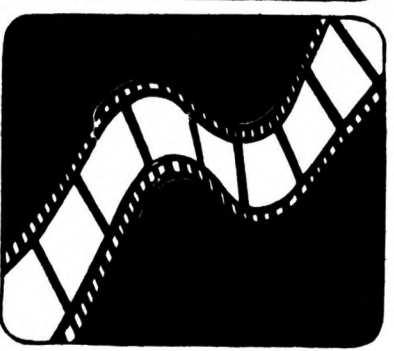
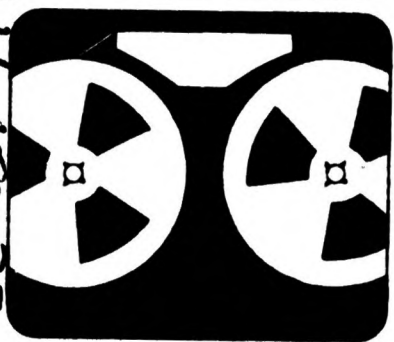
e.e.m.i.

U.S. DEPARTMENT OF HEALTH
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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iv. kits, games & misc. curricula



energy education materials inventory

e.e.m.i.

a six-part
Energy Education Materials Inventory,
prepared for the
Federal Energy Administration
by

Energy & Man's Environment, Inc.:

- John C. Jones, President
- Ilene Wright, Proj. Co-ord.
- Noel McInnis, Proj. Co-ord.

September , 1976

**part four: kits, games, &
miscellaneous curricula**

ACKNOWLEDGEMENTS

The EEMI search for energy education materials depended on the active support and contributions of many individuals. The most deserving of recognition--the hundreds that responded to EEMI mailings--must remain unnamed. Regular EEMI advisors, Maggi Rogers, Leslie Wycoff, Dr. Peet Soot and Ray Theiss, provided creative ideas, valuable insight and patience. Special consultant, Dr. Jon Wert, won enduring appreciation for his conscientious work and humor. Tim Crean and Ed Sawyer at the National Energy Information Center distinguished themselves by searching and re-searching computerized data banks. FEA's representative, Rene Vawter, nurtured us with wise counsel and enthusiasm. Her support made the EEMI Project an enjoyable challenge. My personal gratitude and that of the EEMI staff is extended to Dr. John Jones, President of Energy & Man's Environment. His determination, bouyancy and drive gave us all strength. The EME office and field staff endured the disruption and day-to-day crises of this short-term, intensive project with smiles. Mary Madden and Vicki Blair of Blackwell/North America coordinated data processing with insight and sensitivity to the task. Last in this list, but first in my thoughts and feelings, the EEMI staff--Cheryl Glazer, Larry Israel and Noel McInnis. They ultimately did the daily ration of work by maintaining their good spirits with Cheryl's herb teas, Larry's laughter and Noel's not-so-inferior puns. My thanks to all of you. It's been a pleasure.

Ilene A. Wright
EEMI Project Coordinator

COVER DESIGN AND GRAPHICS

by Larry B. Israel

Prepared for the
Federal Energy Administration
by Energy & Man's Environment
0224 S.W. Hamilton
Portland, Oregon 97201
(503) 226-7131

September, 1976

Development of these booklets was supported by the Federal Energy Administration, Office of Marketing Education through Contract #CR 04-60565-00. However, no U.S. Government endorsement of the materials included in this Inventory should be inferred. All mistakes and inconsistencies are the sole responsibility of Energy & Man's Environment, Inc.

PRELUDE

Every realm of life is shaped and molded by energy flow
as most people learned rather abruptly
during the winter of energy scarcity, 1973-74.
Rising prices, unemployment, food shortages,
detente, embargo, the politics of the Middle East,
air pollution, brown-outs and 55 MPH signs
continually remind us of our energy-dependent existence
and the complex nature of our energy dilemma.

America's need for the skills and understanding
necessary to resolve energy problems
was met with a deluge of information, contradictory data,
public hearings, impact statements, new laws and judicial decisions.
Disagreements and only slight accord among THE experts
added seasoning and anxiety.
People wondered, "Is this fact?
Or is this opinion and interpretation?"

In the midst of this situation
private and governmental agencies sought
citizen contributions to policy and program formation.
At the same time attitudes toward decision making changed
from THE "right answer"
to "Based on what we know today...."

During three years of grappling with energy-related issues
Americans relearned that information and its meaning change from day
to day.
Americans began to recognize
how little they knew,
how much both they and THE experts have to learn,
how rapidly information becomes obsolete,
how quickly yesterday's considered decisions are labeled mistakes.
As a result Americans sought
the perspectives, knowledge and skills
required to meet the challenges of living today.

Educators in every sector responded--no discipline was left untouched!
Using current information, and diverse perspectives and opinions,
educators began to teach the skills young people need
to process and keep up with enduring, evolving controversies
by using energy concerns as the basis for learning experiences.

The ENERGY EDUCATION MATERIALS INVENTORY
is the most comprehensive, available list of resources
for use by K-12 teachers and students
in pursuit of understanding and effective action within
the interdisciplinary energy dilemma.

Hopefully this INVENTORY will encourage
even more productive energy education.

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COMMENTARY ON BOOKLETS I-IV

WHAT WAS THE EEMI PROJECT? EEMI was designed to produce a thorough inventory of existing energy education materials and reference sources. It is intended that this systematic listing will provide educators with access to resources and will hasten the inclusion of energy-focused learning experiences in educational programs.

HOW IS THE INVENTORY ORGANIZED? There are six parts: Print Materials; Non-Print Materials-Part 1; Non-Print Materials-Part 2: 16 MM Films; Kits, Games and Miscellaneous Curricula; Reference Sources; and Indexes.

WHAT IS INSIDE? Citations are grouped into chapters by type of material (e.g., all 35 mm films are listed together). Within each chapter the citations are listed alphabetically by title.

WHAT IS IN A CITATION? Each citation contains the information normally used by libraries and book-buyers to purchase materials. A typical entry in Booklet I-IV follows:

- | | |
|--|--|
| 1. Title and sub-titles | ¹ *ENERGY LEARNING PACKET FOR |
| 2. Author's name and initials | ENERGY CONSERVATION AWARENESS. |
| 3. Imprint (city, publisher and year of publication) | ² COURREGES, E.M. ³ JACKSONVILLE, FL, DUVAL COUNTY SCH. BOARD, 1974. ⁴ \$5.65 |
| 4. Cost (if known) | ⁵ LEVEL: 4-6 |
| 5. (Grade) Level: | ⁶ STUDENT MATERIALS |
| 6. Accompanying materials, if any | TEACHER'S GUIDE |
| 7. Tested: (yes or no; no entry = unknown) | ⁷ TESTED: NO |

ARE THERE EXCEPTIONS? Yes! Liberty was taken with the traditional imprint information. The actual distributor of the material was recorded if different than the publisher. Late entries are listed in addenda at the end of Booklets I, II and III.

AND FOR BOOKLETS V AND VI? Reference source entries are described at the beginning of Booklet V. The Indexes in Booklet VI cross-reference author's names and titles of materials to page numbers.

WHAT ELSE DO I NEED TO USE THIS INVENTORY? Booklets I-IV use library-style, bibliographic citations that do not include complete addresses. Use Books-In-Print catalogues, telephone books and/or information and directories compiled by libraries and book-buyers to obtain complete addresses.

WHO COMPILED THIS INVENTORY FOR FEA? Energy & Man's Environment, Inc. EME is a non-profit corporation serving America's educational communities. EME encourages and supports educators in their efforts to create an energy literate public.

ABBREVIATIONS

ADMIN.....ADMINISTRATION	ENCY.....ENCYCLOPEDIA	PL.....PLACE
AMER.....AMERICAN	ENTP.....ENTERPRISES	PUBL.....
ASSN.....ASSOCIATION	EST.....ESTABLISHMENT	(PUB., PUBS.)...PUBLISHER, PUBLISHING
ASSOC.....ASSOCIATED	GOVT.....GOVERNMENT	R&D.....RESEARCH & DEVELOPMENT
A-V.....AUDIO-VISUAL	INC.....INCORPORATED	RD.....ROAD
&.....AND	IND.....INDUSTRIAL, INDUSTRY	RR.....RAILROAD
BK.....BOOK	INST.....INSTITUTE	RY.....RAILWAY
BKS.....BOOKS	INSTR.....INSTRUCTIONAL	SCH.....SCHOOL
BLDG.....BUILDING	INTL.....INTERNATIONAL	SCI.....SCIENCES
BLVD.....BOULEVARD	LAB.....LABORATORY	S.P.I.....SUPERINTENDENT OF PUBLIC INSTRUCTION
BROS.....BROTHERS	LTD.....LIMITED	SQ.....SQUARE
CO.....COMPANY	MAG.....MAGAZINE	ST.....STREET
CO-OP.....CO-OPERATIVE	MFG.....MANUFACTURING	THOS. (THM).....THOMAS
COM.....COMMUNITY	NATL.....NATIONAL	TR.....TERRACE
CORP.....CORPORATION	ORG.....ORGANIZATION	TV.....TELEVISION
CT.....COURT	PROD.....PRODUCTION	UNIV.....UNIVERSITY
CTR.....CENTER	PROG.....PROGRAM	VOC.....VOCATIONAL
DEV.....DEVELOPMENT	PROJ.....PROJECT	
ED.....EDUCATION (AL)		

AN ASKERISK (*) IDENTIFIES
THOSE ITEMS KNOWN TO INCLUDE
AN ENERGY CONSERVATION PERSPECTIVE.

STANDARDIZATIONS

ABC/TV.....	AMERICAN BROADCASTING COMPANY TELEVISION
BBC/TV.....	BRITISH BROADCASTING COMPANY TELEVISION
CBS/TV.....	COLUMBIA BROADCASTING SYSTEM TELEVISION
FEA.....	FEDERAL ENERGY ADMINISTRATION
GM CORP.....	GENERAL MOTORS CORPORATION
NASA.....	NATIONAL AERONAUTICS & SPACE ADMINISTRATION
NBC/TV or NBC ED. ENTP.....	NATIONAL BROADCASTING COMPANY EDUCATIONAL ENTERPRISES
U.S. AEC.....	UNITED STATES ATOMIC ENERGY COMMISSION
U.S. ERDA-TIC.....	UNITED STATES ENERGY RESEARCH & DEVELOPMENT ASSOCIATION- TECHNICAL INFORMATION CENTER
U.S. GPO.....	UNITED STATES GOVERNMENT PRINTING OFFICE

kits · packages

KITS, GAMES & MISC. CURRICULA

KIT/PACKAGE

BATTERIES AT WORK. MEDIA
MATERIALS, INC.
BALTIMORE, MEDIA
MATERIALS, INC. \$9.95

LEVEL: 3-5

LIBRARY CARDS

WORKBOOK

STUDENT MATERIAL

TEACHER'S GUIDE

CASSETTE AUDIO-TAPE

BATTERIES & BULBS: DISCOVERY
KITS. CHILDREN'S MUSEUM,
RESOURCE CTR. BOSTON,
CHILDREN'S MUSEUM,
RESOURCE CTR. \$3.00 PER
WEEK RENTAL FEE

246 LEVEL: ADAPTABLE FOR MOST
LEVELS

ACTIVITY-CENTERED OBJECTS

TEACHER'S GUIDE

TESTED: YES

COAL: LOAN EXHIBIT KIT.
CHILDREN'S MUSEUM,
RESOURCE CTR. BOSTON,
CHILDREN'S MUSEUM,
RESOURCE CTR. \$3.00 PER
WEEK RENTAL FEE

LEVEL: K-12

ILLUSTRATIONS

TESTED: YES

*CONSERVATION OF ENERGY.
KANIGHER, H, ET AL. LOS
ANGELES, LOS ANGELES CITY
SCHS., 1976.

LEVEL: 5-8

STUDY PRINTS, TASK CARDS,
DUPLICATING ACTIVITY,

SHEETS FOR STUDENTS

STUDENT MATERIAL

DITTO MASTER

TEACHER'S GUIDE

ELECTRICAL SAFETY KIT.
PACIFIC POWER & LIGHT.
PORTLAND, OR, PACIFIC
POWER & LIGHT.

KIT/PACKAGE (CONT.)

ENERGY CHALLENGE. UNION
TOWNSHIP SCHOLS SYSTEM.
UNION, NJ 07083, UNION
TOWNSHIP, 1975.

LEVEL: 10-12

WORK CARDS

WORKBOOK

DITTO MASTER

TEACHER'S GUIDE

CASSETTE AUDIO-TAPE

FILM STRIP

TESTED: YES

ENERGY-ENVIRONMENT
CURRICULUM MATERIALS.
BRENNAN, M., ED., ET AL.
FT. MYERS, FL, LEE COUNTY
SCHOOLS, 1976.

LEVEL: K-12

2 PART CARD ACTIVITY SET.

SET 1 - 270 STUDENT

ACTIVITIES K-12

ENRICHMENT MATERIAL

STUDENT MATERIAL

TEACHER'S GUIDE

TESTED: YES

ENERGY FILMSTRIP (NO TITLE
YET: AVAILABLE NOVEMBER
1976) ALUMINUM ASSOC.
NEW YORK, ALUMINUM
ASSN., 1976.

LEVEL: 7-12

TEACHER'S GUIDE

FILM STRIP

ENERGY & MATTER. KRESS, S.,
ET AL. DANVILLE, NY,
INSTRUCTOR PUBL., 1975.
\$4.95

POSTER

ENRICHMENT MATERIAL

STUDENT MATERIAL

TEACHER'S GUIDE

ENERGY RESOURCES OF TEXAS:
UNIT 1: ENERGY FROM START
TO FINISH. ANDERSON, J.E.
AUSTIN, BUREAU OF
ECONOMIC GEOLOGY, 1976.
\$3.00 PLUS \$.15 STATE
SALES TAX FOR RESIDENTS OF
TEXAS

LEVEL: 7-9

MAP

STUDENT MATERIAL

CURRICULUM GUIDE

TEACHER'S GUIDE

TESTED: YES

KITS, GAMES & MISC. CURRICULA

KIT/PACKAGE (CONT.)

ENERGY: TODAY AND TOMORROW.
DEPT. OF ED. SAN DIEGO,
SAN DIEGO COUNTY, 1975.

LEVEL: 4-12

BOARD GAME

PAMPHLET

CHART

ENRICHMENT MATERIAL

COLORING BOOK

DITTO MASTER

CURRICULUM GUIDE

TEACHER'S GUIDE

TRANSPARENCY

TESTED: YES

ENERGY & YOUR FUTURE

ENVIRONMENT. CHEVRON CO.
REDWOOD CITY, CA, VISUAL
MATERIALS, INC., 1973.

LEVEL: 5-6

DITTO MASTER

TEACHER'S GUIDE

TRANSPARENCY

FILM STRIP

TESTED: YES

ENVIRONMENTAL EDUCATION

CURRICULUM SERVICE.

MYSTIC, CT, NATURAL

SCIENCE FOR YOUTH

FOUNDATION, MONTHLY.

\$20.00 PER YEAR (10
ISSUES)

LEVEL: 4-6

POSTER

STUDENT MATERIAL

FIELD TRIP GUIDE

CURRICULUM GUIDE

TEACHER'S GUIDE

TESTED: YES

ENVIRONMENTAL HEALTH: ENERGY

& THE ENVIRONMENT. FODER,

J.T., ET AL. ROSEMEAD,

SO. CALIF. EDISON, 1973.

LEVEL: 10-12

STUDENT MATERIAL

TEACHER'S GUIDE

RECORD (DISC)

FILM STRIP

TESTED: YES

KIT/PACKAGE (CONT.)

ENVIRONMENTAL HEALTH: ENERGY
& THE ENVIRONMENT. SO.

CALIF. EDISON. SANTA

MONICA, ROSUSTOW, S.

PROD., 1974. \$39.00 (2

PARTS)

LEVEL: 7-12

FILM STRIP

TESTED: YES

ENVIRONMENTAL IMPROVEMENT.

U.S. JAYCEES. TULSA,

OK., U.S. JAYCEES.

ENRICHMENT MATERIAL

FUNDAMENTALS OF ELECTRICITY.

PACILIO, J. CHICAGO,

WEBER COSTELLO.

LEVEL: 4-6

GEARED FOR ACTION. MEDIA

MATERIALS, INC.

BALTIMORE, MEDIA

MATERIALS, INC. \$9.95

LEVEL: 3-5

LIBRARY CARDS

WORKBOOK

STUDENT MATERIAL

TEACHER'S GUIDE

CASSETTE AUDIO-TAPE

*HERE'S YOUR SAVENERGY KIT

FOR PROMOTING ENERGY

CONSERVATION. U.S. DEPT.

OF COMMERCE OFFICE OF

ENERGY PROG. WASHINGTON,

U.S. DEPT. OF COMMERCE

OFFICE OF ENERGY PROG.

STUDENT MATERIAL

ENERGY ACTIVITY GUIDELINES

"HOW YOUR GAS METER WORKS"

AMER. GAS ASSN. ED. SVCS.

ARLINGTON, VA, AMER. GAS

ASSN. ED. SVCS., 1966.

LEVEL: 7-9

CHART

STUDENT MATERIAL

DITTO MASTER

TEACHER'S GUIDE

TESTED: YES

247

KITS, GAMES & MISC. CURRICULA

KIT/PACKAGE (CONT.)

HYDROCARBON CIVILIZATION.
HESSLER, E. MINNEAPOLIS,
MINNESOTA ENVIRONMENTAL
SCI. FOUNDATION, INC.,
1975. \$5.50

LEVEL: 10-12
ENRICHMENT MATERIAL
STUDENT MATERIAL
CURRICULUM GUIDE
TEACHER'S GUIDE
TESTED: YES

KITE SAFETY CLINICS.
PACIFIC POWER & LIGHT.
PORTLAND, OR, PACIFIC
POWER & LIGHT.

248 LIGHT & SOUND ENERGY.
MILLIKEN PUBL. CO. ST.
LOUIS, MILLIKEN PUBL.
CO. \$7.95

LEVEL: 5-9
DITTO MASTER
TEACHER'S GUIDE
TRANSPARENCY

LIVING WITH LIGHT. BETTER
LIGHT BETTER SIGHT BUREAU.
NEW YORK, ELECTRIC ENERGY
ASSN.

LEVEL: 4-9
WORKBOOK
TEACHER'S GUIDE

MACHINES AT WORK. MEDIA
MATERIALS, INC.
BALTIMORE, MEDIA
MATERIALS, INC. \$9.95

LEVEL: 4-6
LIBRARY CARDS
WORKBOOK
STUDENT MATERIAL
TEACHER'S GUIDE
CASSETTE AUDIO-TAPE

MACHINES & WORK. MILLIKEN
PUBL. CO. ST. LOUIS,
MILLIKEN PUBL. CO. \$7.95
LEVEL: 5-9
DITTO MASTER
TEACHER'S GUIDE
TRANSPARENCY

KIT/PACKAGE (CONT.)

MAGNETISM & ELECTRICITY.
MILLIKEN PUBL. CO. ST.
LOUIS, MILLIKEN PUBL.
CO. \$7.95

LEVEL: 5-9
DITTO MASTER
TEACHER'S GUIDE
TRANSPARENCY

MAGNETS: DISCOVERY KIT.
CHILDREN'S MUSEUM,
RESOURCE CTR. BOSTON,
CHILDREN'S MUSEUM,
RESOURCE CTR. \$3.00 PER
WEEK RENTAL FEE

LEVEL: ADAPTABLE FOR MOST
LEVELS

ACTIVITY-CENTERED OBJECTS
TEACHER'S GUIDE
TESTED: YES

MAGNETS & ELECTRICITY.
BUTTS, M. DANVILLE, NY,
INSTRUCTOR PUBL., 1974.
\$4.95

LEVEL: 1-6
TEACHER BACKGROUND MATERIAL
POSTER
ENRICHMENT MATERIAL
STUDENT MATERIAL
CURRICULUM GUIDE
TEACHER'S GUIDE

"NATURAL GAS ... SCIENCE
BEHIND YOUR BURNER" AMEP.
GAS ASSN. ED. SVCS.
ARLINGTON, VA, AMER. GAS
ASSN. ED. SVCS., 1965.

LEVEL: 6-9
MAP
CHAPT
WORKBOOK
STUDENT MATERIAL
TEACHER'S GUIDE
TESTED: YES

OF DEMOCRACY, TRUTH AND
COURAGE: STUDIES OF
ENVIRONMENTAL ACTION.
TANNER, T. NEW YORK,
NAT'L AUDUBON SOCIETY,
1976. \$24.95

LEVEL: 10-12
PHOTOS
STUDENT MATERIAL
DITTO MASTER
TEACHER'S GUIDE
TESTED: YES

KITS, GAMES & MISC. CURRICULA

KIT/PACKAGE (CONT.)

OIL - LOAN EXHIBIT KIT.
CHILDREN'S MUSEUM,
RESOURCE CTR. BOSTON,
CHILDREN'S MUSEUM,
RESOURCE CTR. \$3.00 PER
WEEK RENTAL FEE

LEVEL: K-12
ILLUSTRATIONS
TESTED: YES

OUR ENERGY-BASED ECONOMY
1974. EDISON ELECTRIC
INST. NEW YORK, EDISON
ELECTRIC INST., 1974.
\$30.00

LEVEL: 6-8
DITTO MASTER
TEACHER'S GUIDE
RECORD (DISC)
FILM STRIP
TESTED: YES

*PROJECT PHYSICS TEACHER
GUIDE 3; THE TRIUMPH OF
MECHANICS. HARVARD UNIV.
CAMBRIDGE, MA, HARVARD
UNIV., 1968. \$18.40

LEVEL: 10-12
TEXTBOOK
TEACHER'S GUIDE

*RESOURCE RECOVERY EDUCATION
KIT. NATL. CTR. FOR
RESOURCE RECOVERY, INC.
RESTON, VA, NATL. ASSN.
OF SECONDARY SCH.
PRINIPALS, 1974. \$12.00

LEVEL: 7-12
CHART
TEACHER'S GUIDE

SCIENCE CURRICULUM
IMPROVEMENT STUDY.
REGENTS OF THE UNIV. OF
CALIFORNIA. CHICAGO,
RAND MCNALLY & CO.

LEVEL: K-6
ENRICHMENT MATERIAL
STUDENT MATERIAL
TEACHER'S GUIDE

KIT/PACKAGE (CONT.)

"SCIENCE PRINCIPLES & GAS
APPLIANCES WITH
EXPERIMENTS" WEAVER, E.C.
ARLINGTON, VA, AMER. GAS
ASSN. ED. SVCS., 1969.

LEVEL: 7-12
ENRICHMENT MATERIAL
STUDENT MATERIAL
DITTO MASTER
TEACHER'S GUIDE
TRANSPARENCY
TESTED: YES

SIMPLE MACHINES. MEDIA
MATERIALS, INC.
BALTIMORE, MEDIA
MATERIALS, INC. \$9.95

LEVEL: 3-5
LIBRARY CARDS
WORKBOOK
STUDENT MATERIAL
TEACHER'S GUIDE
CASSETTE AUDIO-TAPE

WEATHER/ENERGY & MATTER:
PRACTICE IN SCIENCE
INVESTIGATIONS.
ROSENBERRY, M., ET AL.
DANVILLE, NY, INSTRUCTOR
PUBL., 1976. \$4.95

LEVEL: 4-6
CHART
WORKBOOK
STUDENT MATERIAL
DITTO MASTER
TEACHER'S GUIDE

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simulations · games

KITS, GAMES & MISC. CURRICULA

SIMULATION/GAME

ATTITUDE: COMPUTER ORIENTED
EXERCISES ON ATTITUDES AND
U.S. GASOLINE CONSUMPTION
(DRAFT) COMPUTER
TECHNOLOGY PROG.
PORTLAND, NW REGIONAL ED.
LAB, 1975. \$15.00 (GUIDE
ONLY)
LEVEL: 7-9
LEVEL: 10-12
STUDENT MATERIAL
TEACHER'S GUIDE
COMPUTER PROG.

BALANCE: A SIMULATION OF
FOUR FAMILIES CAUGHT IN
ECOLOGICAL DILEMMAS.
YOUNT, D., ET AL.
LAKESIDE, CA, INTERACT,
1970.
LEVEL: 10-12
TEACHER'S GUIDE

CONSUME: A COMPUTER ORIENTED
PROBLEM SOLVING UNIT
(DRAFT) COMPUTER
TECHNOLOGY PROG.
PORTLAND, OR, NW REGIONAL
ED. LAB, 1975. \$15.00
(GUIDE ONLY)
LEVEL: 7-9
LEVEL: 10-12
STUDENT MATERIAL
TEACHER'S GUIDE
COMPUTER PROGRAM
TESTED: NO

DAM: COMPUTER IMPLEMENTED
WATER RESOURCE TEACHING
GAME. VIRGINIA
POLYTECHNIC INST. DEPT. OF
FISH & WILDLIFE SCI.
BLACKSBURG, VA, VIRGINIA
POLYTECHNIC INST. DEPT. OF
FISH & WILDLIFE SCI.
LEVEL: 10-12

DEATH RAY. WILCOX, J.
HUNTINGTON BEACH, CA.,
WILCOX, J., 1976. \$1.00
LEVEL: 7-12
STUDENT MATERIAL
TEACHER'S GUIDE

DISCOVERING ENERGY. GORSKI,
L.J. SPRINGFIELD, MA,
MILTON BRADLEY, 1974.
LEVEL: 7-9
TESTED: YES

SIMULATION/GAME (CONT.)

DISPATCH: POWER DISPATCH
TRAINER. FINK, F.T., ET
AL. E. LANSING, MICHIGAN
STATE UNIV., 1975. \$2.50
LEVEL: 10-12

EARTH 2020: FACULTY
INSTITUTE WORKBOOK.
CONLEY, J.H., ED.
SUNNYVALE, CA, NASAAMES
RES. CTR., 1975. \$10.00
LEVEL: 7-12

CHART
ENRICHMENT MATERIAL
WORKBOOK
STUDENT MATERIAL
DITTO MASTER
CURRICULUM GUIDE
TEACHER'S GUIDE
SLIDES
CASSETTE AUDIO-TAPE
TESTED: YES

ELECTRICAL ENERGY & THE
ENVIRONMENT. WATKINS, K.,
ET AL. CLEVELAND, GA,
PIONEER C.E.S.A., 1975.
LEVEL: 7-12
TEXTBOOK
STUDENT MATERIAL
FIELD TRIP GUIDE
TEACHER'S GUIDE
TESTED: YES

ELECTRICAL SAFETY IN &
AROUND THE HOME. SCHEETZ,
R.B. NEW YORK, EDISON
ELECTRIC INST. ED. SVCS.,
1976. \$22.00
LEVEL: 4-6
POSTER
DITTO MASTER
CURRICULUM GUIDE
TEACHER'S GUIDE
CASSETTE AUDIO-TAPE
AUDIO-TAPE
FILM STRIP
TESTED: YES

251

KITS, GAMES & MISC. CURRICULA

SIMULATION/GAME (CONT.)

*ELECTRICITY & ME...& ENERGY
CONSERVATION. EDISON
ELECTRIC INST. ED. SVCS.
NEW YORK, EDISON ELECTRIC
INST. ED. SVCS., 1976.

\$40.00

LEVEL: 6-9

STUDENT MATERIAL

DITTO MASTER

TEACHER'S GUIDE

CASSETTE AUDIO-TAPE

FILM STRIP

TESTED: YES

ENERGY: A COMPUTER

SIMULATION OF THE U.S.

ENERGY CRISIS (DRAFT)

COMPUTER TECHNOLOGY PROG.

PORTLAND, OR, NW REGIONAL

ED LAB, 1975. \$15.00

(GUIDES ONLY)

LEVEL: 7-9

LEVEL: 10-12

STUDENT MATERIAL

TEACHER'S GUIDE

COMPUTER PROGRAM

TESTED: NO

ENERGY: A MULTI-MEDIA

LEARNING UNIT. SCHOLASTIC

BK SVCS. ENGLEWOOD

CLIFFS, SCHOLASTIC BK

SVCS., 1974.

LEVEL: 4-6

CHART

TEACHER'S GUIDE

RECORD (DISC)

CASSETTE AUDIO-TAPE

TESTED: YES

ENERGY CHOICES SIMULATION.

ATMAN, K.S., ET AL.

PITTSBURGH, CURRICULUM

INNOVATORS & IMPLEMENTORS,

INC., 1976. \$3.50

LEVEL: 10-12

STUDENT MATERIAL

CURRICULUM GUIDE

TEACHER'S GUIDE

SIMULATION/GAME (CONT.)

*ENERGY CONSERVATION.

WATKINS, K, ET AL.

CLEVELAND, GA, PIONEER

C.E.S.A., 1975.

LEVEL: 7-12

TEXTBOOK

STUDENT MATERIAL

FIELD TRIP GUIDE

TEACHER'S GUIDE

TESTED: YES

ENERGY CPISIS: ARE YOU

INVOLVED? YOUTH ED. INC.

NEW YORK, YOUTH ED.

INC.

LEVEL: K-8

ENERGY CRISIS GAMEBOARD.

SOMMERKAMP, P.

WASHINGTON, SCI.

TEACHER, JUNE, 1975.

\$18.00 PER YEAR

LEVEL: 7-9

ENERGY & ECOLOGY: ARE YOU

INVOLVED? YOUTH ED. NEW

YORK, LEARNING

REALITIES. \$6.95

LEVEL: 7-12

PUZZLES

WORKBOOK

DITTO MASTER

ENERGY-ENVIRONMENT GAME

1973. EDISON ELECTRIC

INST. NEW YORK, EDISON

ELECTRIC INST., 1973.

\$20.00

LEVEL: 7-12

CHART

STUDENT MATERIAL

DITTO MASTER

TEACHER'S GUIDE

RECORD (DISC)

FILM STRIP

TESTED: YES

ENERGY IN THE COMMUNITY.

GORSKI, L.J. SPRINGFIELD,

MA, MILTON BRADLEY,

1974.

LEVEL: 7-9

TESTED: YES

ENERGY X. IDEAL SCHOOL

SUPPLY CO. OAK LAWN,

IL., IDEAL SCHOOL SUPPLY

CO., 1974. \$19.50

LEVEL: 7-12

252

KITS, GAMES & MISC. CURRICULA

SIMULATION/GAME (CONT.)

GLOBAL ENERGY SITUATION ON
EARTH (DRAFT) COMPUTER
TECHNOLOGY PROG.
PORTLAND, OR, NW REGIONAL
ED. LAB, 1975. \$15.00
(GUIDES ONLY)

LEVEL: 7-9
LEVEL: 10-12
STUDENT MATERIAL
TEACHER'S GUIDE
COMPUTER PROGRAM
TESTED: NO

HANDBOOK FOR CITIZENS'
WORKSHOPS ON ENERGY & THE
ENVIRONMENT. OAK RIDGE
ASSOC. UNIV. OAK RIDGE,
TN, U.S. AEC, 1973.

LEVEL: 10-12
WORKBOOK
CURRICULUM GUIDE
TEACHER'S GUIDE

*HOUSEHOLD ENERGY GAME.
SMITH, T.W., ET AL.
MADISON, SEA GRANT
COLLEGE, UNIVERSITY OF
WISCONSIN, 1974.

LEVEL: 10-12
STUDENT MATERIAL

*MASS TRANSIT. GORSKI, L.J.
SPRINGFIELD, MA, MILTON
BRADLEY, 1974.

LEVEL: 7-9
TESTED: YES

NO DAM ACTION. KLIETSCH,
R.G. ST. PAUL, INSTR.
SIMULATIONS, INC., 1972.
\$125.00

LEVEL: 10-12
CHART
STUDENT MATERIAL
TEACHER'S GUIDE
TESTED: YES

NUCLEAR ENERGY GAME.
O'LEARY, A. HUNTINGTON,
NY, SIMULATION LEARNING
INST., INC. \$45.00

OIL EXPLORATION GAME. L & S
ED. EQUIPMENT PTY. LTD.
VICTORIA, AUSTRALIA, L &
S ED. EQUIPMENT PTY.
LTD. \$15.00
LEVEL: 7-12

SIMULATION/GAME (CONT.)

OUR U.S. ENRGY FUTURE
(DRAFT) COMPUTER
TECHNOLOGY PROG.
PORTLAND, OR, NW REGIONAL
ED. LAB, 1975. \$15.00
(GUIDES ONLY)

LEVEL: 7-9
LEVEL: 10-12
STUDENT MATERIAL
TEACHER'S GUIDE
COMPUTER PROGRAM
TESTED: NO

PEOPLE & TECHNOLOGY; UNIT II
& UNIT III TOOL KIT. ED.
DEV. CTR. CAMBRIDGE, MA,
ED. DEV. CTR., 1974.
\$89.49

LEVEL: 7-9
POSTER
PLAY
CHART
ENRICHMENT MATERIAL
STUDENT MATERIAL
TEACHER'S GUIDE
SLIDES
RECORD (DISC)
AUDIO-TAPE
FILM STRIP
TESTED: YES

*POWER PLAY: AN ENERGY
CRISIS BOARD GAME. YOUTH
ED., INC. NEW YORK,
YOUTH ED., INC.
ENRICHMENT MATERIAL

*PUT OUT THE LIGHTS!
GORSKI, L.J. SPRINGFIELD,
MA, MILTON BRADLEY,
1974.

LEVEL: 7-9
TESTED: YES

*SAVE A WATT GAME. CON
EDISON. NEW YORK, CON
EDISON.

SEARCH SIMULATIONS:
ECONOMIC; THE BATTLE OF
RIPPLE CREEK. STINE, J. &
R. NEW YORK, STINE, J. &
R., 1974. \$24.95
LEVEL: 7-12

253

KITS, GAMES & MISC. CURRICULA

SIMULATION/GAME (CONT.)

THE URBAN AGE: GEOGRAPHICAL
PERSPECTIVES FOR THE
SOCIAL STUDIES UNIT V:
"ENERGY AND THE
ENVIRONMENT" RITTER,
F.A., ET AL. NEW YORK,
MACMILLAN CO., 1977.

LEVEL: 7-12

TEXTBOOK

TEACHER'S GUIDE

TRANSPARENCY

TESTED: NO

URBAN ECONOMIC SIMULATION.

BAZAN, F.J. ET AL.
UNIVERSITY PARK, PENN.
ST. UNIV., 1976. \$5.00

254 STUDENT MATERIAL

TEACHER'S GUIDE

TESTED: YES

WHAT IS ALL THIS DAM

FOOLISHNESS. NATL.
COUNCIL FOR GEOGRAPHIC ED.
OAK PARK, IL, NATL.
COUNCIL FOR GEOGRAPHIC
ED., 1975. \$.50

LEVEL: 7-12



multi-media

KITS, GAMES & MISC. CURRICULA

MULTI-MEDIA

CRITICAL ISSUES IN SCIENCE &
SOCIETY: THE GREAT ENERGY
DEBATE. SCIENCE &
MANKIND. WHITE PLAINS,
NY, SCIENCE & MANKIND.
\$104.50

LEVEL: 9-12

SLIDES

ELECTRIC ENERGY--

UTILIZATION, GENERATION,
TRANSMISSION,
DISTRIBUTION,
CONSERVATION. PARADY.
ATHENS, GA, AMER. ASSN.
FOR VOC. INSTR.
MATERIALS, 1976.

256 LEVEL: 7-12

TEXTBOOK

SLIDES

CASSETTE VIDEO-TAPE

TESTED: YES

ELECTRIC SAFETY FROM "A" TO
ZAP. ED. SERVICES PROG.
JACKSON, MI, CONSUMERS
POWER CO., 1973.

LEVEL: K-8

ENRICHMENT MATERIAL

COMIC BOOK

COLORING BOOK

DITTO MASTER

RECORD (DISC)

FILM STRIP

16 MM FILM

ENERGY: A WORLD RESOURCES
KIT. XEROX FILMS.

MIDDLETOWN CT, XEROX
FILMS, 1974. \$39.95

LEVEL: 7-12

DITTO MASTER

STUDENT MATERIAL

TEACHER'S GUIDE

FILM STRIP

MULTI-MEDIA (CONT.)

ENERGY, ECONOMICS, AND THE
ENVIRONMENT. THOS. ALVA
EDISON FOUNDATION, INC.
SOUTHFIELD, MI, THOS.
ALVA EDISON FOUNDATION,
INC., 1974-76.

LEVEL: 1-12

POSTER

PAMPHLET

CHART

ENRICHMENT MATERIAL

DITTO MASTER

CURRICULUM GUIDE

TEACHER'S GUIDE

TRANSPARENCY

CASSETTE AUDIO-TAPE

REEL-TO-REEL AUDIO-TAPE

AUDIO-TAPE

REEL-TO-REEL VIDEO-TAPE

16 MM FILM

ENERGY & THE ENVIRONMENT:

COAL MINING IN APPALACHIA.

SCH. & SOCIETY PROGRAMS.

CAMBRIDGE, MA, ED. DEV.

CTR., INC, 1976.

LEVEL: 9-12

POSTER

TEACHER'S GUIDE

FILM STRIP

EXPLORING YOUR ENVIRONMENTAL

CHOICES: AN INQUIRY AND

DECISION-MAKING APPROACH.

YOUTH ED., INC. NEW

YORK, METROPOLITAN LIFE,

1974.

LEVEL: 10-12

PAMPHLET

TEACHER'S GUIDE

TRANSPARENCY

CASSETTE VIDEO-TAPE

TESTED: YES

*FIRST IDEAS ABOUT ENERGY.

BEAN, N. PROD. SANTA

MONICA, BFA ED MEDIA,

1975. \$56.00-4 FILMSTRIPS

WITH PHONODISC

LEVEL: K

LEVEL: 1-3

TEACHER'S GUIDE

RECORD (DISC)

CASSETTE AUDIO-TAPE

AUDIO-TAPE

FILM STRIP

TESTED: YES

KITS, GAMES & MISC. CURRICULA

MULTI-MEDIA (CONT.)

GLOBAL EMERGENCY: ENERGY.
GUIDANCE ASSOCIATES. NEW
YORK, GUIDANCE
ASSOCIATES, 1975. \$48.50
LEVEL: 7-12
TEACHER'S GUIDE
FILM STRIP

HOW ELECTRIC MOTORS START &
RUN. PARADY. ATHENS,
GA, AMER. ASSN. FOR VOC.
INSTR. MATERIALS, 1969.

LEVEL: 7-12
TEXTBOOK
SLIDES
CASSETTE VIDEO-TAPE
FILM STRIP

OIL SHALE MULTI-MEDIA KIT.
AUGUSTIN, B., ET AL.
CHICAGO, NATL. COUNCIL
FOR GEOGRAPHIC ED., 1975.
\$8.95

LEVEL: 4-12
PAMPHLET
ENRICHMENT MATERIAL
TEACHER'S GUIDE
SAMPLES OF SHALE & OIL
PRODUCED FROM SHALE
TRANSPARENCY
35 MM FILM
TESTED: NO

OUR ENERGY-BASED ECONOMY.
WEST PENN POWER CO.
HARRISBURG, PA, WEST PENN
POWER CO., 1975.

LEVEL: 7-9
POSTER
PAMPHLET
CHART
STUDENT MATERIAL
DITTO MASTER
TEACHER'S GUIDE
FILM STRIP
TESTED: YES

POWERFUL FRIEND, A. ED.
SERVICES PROG. JACKSON,
MI, CONSUMERS POWER CO.

LEVEL: K-3
DITTO MASTER
RECORD (DISC)
FILM STRIP

MULTI-MEDIA (CONT.)

PRIORITY ONE: ENVIRONMENT.
POLLUTION CONTROL ED. CTR.
UNION, NJ, POLLUTION
CONTROL ED. CTR.

LEVEL: 1-12
ENRICHMENT MATERIAL
STUDENT MATERIAL
TEACHER'S GUIDE
TRANSPARENCY
CASSETTE AUDIO-TAPE
FILM STRIP
TESTED: YES

TECHNOLOGY AND THE UNITED
STATES. MITSAKOS, C.L. ET
AL. CHELMSFORD, MA,
CHELMSFORD PUBLIC SCHS,
1973. \$4.00

LEVEL: 4-6
TEACHER'S GUIDE
TESTED: YES

THE WORLD OF ENERGY. NAT'L.
GEOG. SOCIETY.
WASHINGTON, NAT'L. GEOG.
SOCIETY, 1974. \$67.50

LEVEL: 7-12
TEACHER'S GUIDE
RECORD (DISC)
AUDIO-TAPE
FILM STRIP

257

programmed instruction

KITS, GAMES & MISC. CURRICULA

PROGRAMMED INSTR.

"A" LEVEL PHYSICS: (SI
UNITS) CHAPPLE, MICHAEL.
LONDON, MACDONALD &
EVANS, 1974.

WORKBOOK

CONSUMER EDUCATION

PROGRAMMED LEARNING
INSTRUCTION IN USING
LEISURE TIME, ENERGY &
MONEY, UNIT VII. ALPHA
PHI CHAPTER. ST. PETER,
MN, DELTA PHI EPSILON
NATL. OFFICE, 1970. \$.50

WORKBOOK

ENERGY, ORGANIZATION & LIFE.

PANARES, R.R. CHICAGO,
ED. METHODS, 1967. \$3.75

LEVEL: 10-12

TEXTBOOK

STUDENT MATERIAL

TESTED: YES

INDIVIDUALIZED INSTRUCTION

IN SCIENCE: EARTH-SPACE
PROJECT. KUCZNA, R.M.
EASTCHESTER, NY,
EASTCHESTER PUBLIC SCH.,
1972. \$3.32

LEVEL: 10-12

WORKBOOK

STUDENT MATERIAL

MAN & ENVIRONMENT: A

CHANGING RELATIONSHIP.
CARNEY, A.P., ED.
CHICAGO, DENOYER-
GEPPERT, 1973. \$245.00

LEVEL: K-3

CHART

STUDENT MATERIAL

DITTO MASTER

TEACHER'S GUIDE

RECORD (DISC)

TESTED: YES

SOLAR HEATING PAPERS.

SAUNDERS, N.B. WESTON,
MA, SAUNDERS, N.B.

LEVEL: 10-12

STUDENT MATERIAL

PROGRAMMED INSTR. (CONT.)

THE GREEN BOX: HUMANISTIC
ENVIRONMENTAL EDUCATION.
RICH, B. EUREKA, CA,
HUMBOLDT COUNTY SCHOOLS
OFFICE OF ENVIRONMENTAL
ED., 1975. \$35.00

STUDENT MATERIAL

TESTED: YES

259



other...

KITS, GAMES & MISC. CURRICULA

EXPERIMENTS

FUNDAMENTALS OF ATOMIC
ENERGY. ED. TEACHING AIDS
DIV. CHICAGO, DAIGGER,
A., & CO. \$12.50

FUNDAMENTALS OF ELECTRICITY.
ED. TEACHING AIDS DIV.
CHICAGO, DAIGGER, A., &
CO. \$15.00

FUNDAMENTALS OF JET
PROPULSION. ED. TEACHING
AIDS DIV. CHICAGO,
DAIGGER, A., & CO. \$10.50

JUNIOR SCIENCE KITS: MAKING
WORK EASIER; ELECTRICITY;
USING MAGNETS (3 OF 5)
ED. TEACHING AIDS DIV.
CHICAGO, DAIGGER, A., &
CO. \$31.35

ENRICHMENT MATERIAL

MACHINES & ENERGY: LAB II.
ED. TEACHING AIDS DIV.
CHICAGO, DAIGGER, A., &
CO. \$65.00

MAGNETISM &
ELECTROMAGNETISM. ED.
TEACHING AIDS DIV.
CHICAGO, DAIGGER, A., &
CO. \$18.50

SOURCES OF ENERGY: LAB III.
ED. TEACHING AIDS DIV.
CHICAGO, DAIGGER, A., &
CO. \$56.00

ELECTRONIC SIMULATOR

ENERGY - ENVIRONMENT

SIMULATOR: MODELS: A230,
A240 & A209. TENNTRONICS,
INC. CUSTOM DESIGN & MFG.
CLARKSVILLE, TN,
TENNTRONICS, INC. CUSTOM
DESIGN & MFG. \$1995. -
\$6100.

EARS ENERGY CATALOG.

ENVIRONMENTAL ACTION
REPRINT SVCS. DENVER,
ENVIRONMENTAL ACTION
REPRINT SVCS. FREE IF
REQUESTED ON SCHOOL
STATIONERY \$.50 OTHERWISE

LEVEL: K-12

CATALOG OF ENERGY-RELATED
BOOKS, PAMPHLETS, PLANS,
GRAPHICS, ET

TESTED: NO

CARDBOARD CUT-OUTS

ELECTRICITY SERVES OUR
COMMUNITY 1974. EDISON
ELECTRIC INST. NEW YORK,
EDISON ELECTRIC INST.,
1974. \$3.00

LEVEL: 4-6

STUDENT MATERIAL

TEACHER'S GUIDE

BULLETIN BOARD DISPLAY

TESTED: NO

261